

submitted in lieu of Form 3160-5  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator  
**BURLINGTON**  
RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M  
Sec., T--N, R--W, NMPM

Unit O (SWSE) 830' FSL & 2475' FEL, Sec. 12, T28N, R5W NMPM

2007 JUL 25 PM 3:29  
Lease Number  
NMSE 079519A  
If Indian, All. or  
Tribe Name  
Unit Agreement Name  
210 FARMINGTON NM

8. San Juan 28-5 Unit  
Well Name & Number

San Juan 28-5 Unit 102N

9. API Well No.

30-039-29855

10. Field and Pool

Blanco Mesa Verde/Basin Dakota

11. County and State  
Rio Arriba Co., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☒ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

☐ Other--Intermediate Casing Depth

RCVD JUL 30 '07  
OIL CONS. DIV.  
DIST 3

13. Describe Proposed or Completed Operations

5668 The APD was permitted to drill intermediate depth of 5707'. We are requesting to change the depth to 5668' TMD. We will run 5628' of 7" 23# L-80 LT & C casing and set at approximately 5375' TVD. Please see attached for cement volumes.

(5628 Ft + 40ft shoe joint) = 5668 ft Cement Excess ≈ 95% ✓

14. I hereby certify that the foregoing is true and correct.

Signed Tracey N. Monroe

Tracey N. Monroe Title Regulatory Technician Date 7/25/07

(This space for Federal or State Office use)

APPROVED BY Troy L. Salyers

Title Petroleum Engineer

Date 7/26/2007

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

Burlington Resources

San Juan 28-5 Unit #102N

T - 28 N Objective: MV/DK New Drill  
R - 5 W Footages: 830' FSL, 2475' FEL  
Sec 12

Rig: AWS #730 BLM Phone #  
GL: 7305' 505-599-8907  
KB: 7320' OCD Phone #  
505-334-6178

API #  
30-039-29855 APD/BLM:  
Network #  
10159274 (DK) 2/21/2007  
10159278 (MV) AFE #  
WAN ZA2 4498 (DK)  
WAN ZA2 4499 (MV)  
Lease #  
NMSF-079519-A  
Like-Kind (248) Cost  
125 \$/FT \$1,062,000  
APD TMD: 9022'

San Juan Division - Drilling Program

In case of Major Emergency Call 911

Give the following information to Operator:

Well Name: San Juan 28-5 Unit #102N County: Rio Arriba  
Latitude: 36 degrees, 40.2431 minutes State: NM  
Longitude: 107 degrees, 18.4943 minutes  
From the Post Office in Blanco, NM, travel east on Hwy 64 for 32.1 miles (milepost 105.6) to Forest Road 314. Turn right (southerly) on Forest Road 314 and travel 5.1 miles. Turn left (northerly) and travel 1.0 miles to the end of the road at the San Juan 28-5 Unit #102E location, on which the 102N will be drilled.

Environmental, Health & Safety

"Opportunities are usually disguised as hard work, so most people don't recognize them " Ann Landers "Nothing is particularly hard if you divide it into small jobs " Henry Ford

	TRIR*	FAT	Restrict'd Duty	OSHA Rec	1st Aid
Goal	1	0	0	0	0
Actual (5/17/07)	2.94	1	5	3	49

\* TRIR - Total Recordable Incident Rate per 200,000 man-hours

Environmental Goals:

- Zero Spills on Location
- Remove Trash from Roads and Locations

TVD	TMD	Geology	Hydraulics	Drig Fluids	Cement	Materials
0'	0'	San Jose	12 1/4" Retip	Spud Mud	Type III cement with 3% CaCl2 and 1/4 pps celloflake 271 sks 347 4 cu ft 15.2 ppg 1.28 cu ft/sk 5.77 gal per sk 200%	1 Cameron SSDC wellhead 1 Wellhead fuzz cap 350 feet 9-5/8" 32 3 0# J-55 STC 1 9-5/8" sawtooth guide shoe 3 Bow Type Centralizers 1 Rubber Plug /displacement
350'	3570'	SCP	8 3/4" HCM5082 6-12 S 8-15 KWOB 420 GPM 65 RPM	Drill out from under surface w/ Clean Faze (Vis: 30-35 WT 8-5-9-0 ppg) W/O of 6-8 cu/30 min) Sweep hole with gal/fiber as needed. Don't hesitate to mud hole up!	<b>1-Stage Intermediate Cement Procedure</b> <b>Preflush:</b> <b>10 bbls FW, 10 bbls MF, 10 bbls FW</b> <b>Scavenger</b> Premium Lite w/ 3% CaCl <sub>2</sub> 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS 19 sks 11 ppg 17.89 gal/sk 56.0 cu.ft 3.02 cu.ft/sk	Intermediate String 1 7" Float Shoe (Gemoco) 40 feet Shoe Joint 7" 23 0# L-80 LT&C 1 7" Float Collar (Gemoco) 5628 feet 7" 23 0# L-80 LT&C
3390'	3748'	Kirtland	Drill out from under surface with directional tools		<b>Lead</b> Premium Lite w/ 3% CaCl <sub>2</sub> 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS 673 sks 12.1 ppg 11.29 gal per sk 1433.3 cu ft 2.13 cu.ft/sk 100%	<b>Totals</b> 5616 feet 7" 23 0# L-80 LT&C w/ 150' extra 45" 7" x 8-3/4" Tandem Rise type centralizers
3555'	4295'	Fruitland			<b>Tail</b> Type III cmt. w/ 1% CaCl <sub>2</sub> 0.25 pps Cello-Flake and 0.2% FL-52 130 sks 14.60 ppg 6.64 gal per sk 180 cu.ft 1.38 cu.ft/sk 0%	<b>Production String</b> 1 4-1/2" Float Shoe (Gemoco) 1 4-1/2" Float Collar w/ Insert and latch in plug 404 feet 4-1/2" 11 6# L-80 LT&C 10 feet 4-1/2" 11 6# L-80 LT&C marker jt @ 150' above Graneros 3412 feet 4-1/2" 11 6# L-80 LT&C @ the Huerfanto Bentonite 10 feet 4-1/2" 11 6# L-80 LT&C marker jt 5186 feet 4-1/2" 11 6# L-80 LT&C to surface 18 4-1/2" x 6-1/4" bowspring centralizers, 1 on shoe jt, then 1 every 4th jt /bottom to above Cliffhouse & 1 on jt below 7" shoe <b>Totals</b> 9172 feet 4-1/2" 11 6# L-80 LT&C w/ 150' extra 18 4-1/2" x 6-1/4" bow type If mud drilled, contact office for new TD.
4064'	4514'	Pictured Cliffs		Make wiper trip @ TD	<b>If losses are incurred during drilling operations we will perform a foam cement job. Cement company will be Halliburton for 7" intermediate only.</b>	
4268'	4601'	Lewis		GPM range for motor 7200-450 GPM	<b>Production Cement Procedure</b> <b>Preflush: 10 bbls Chem Wash, 2 bbls FW</b> <b>Scavenger: Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52.</b> 9 sks 11.0 ppg 17.89 gal/sk 27.0 cu.ft 3.02 cu.ft/sk 40%	<b>Have mudloggers on hole from 8600' TMD to TD. Mudloggers will be Softrock (970-247-8868)</b>
4349'	5196'	Huerfanto Bentonite			<b>Tail: Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52.</b> 236 sks 12.5 ppg 9.80 gal/sk 466.7 cu ft 1.98 cu.ft/sk 40%	No open hole logs.
4908'	5668'	ICP				
5375'	5568'	Chacra				
5275'	6415'	Massive Cliff House				
6122'	6446'	Menefee				
6153'	6741'	Point Lookout				
6448'	7242'	Mancos	New Diamond Air 6-1/4" Bit Marquis CV462 on Halco Hammer	Air/Nitrogen 1800 cfm 400 - 500 psi		
6949'	7970'	Gallup				
7677'	8707'	Greenhorn	2-4 K WOB 30-40 RPM	Run 1-3 #ft tube beads for friction		
8414'	8837'	Two Wells				
8475'	8880'	Cubero	Slow ROP before drilling into the top of Greenhorn Reduce WOB to 2,000 & RPM to 25	Oxygen conc MUST be 8% or less while drilling prod hole section		
8544'	8937'	Lower Cubero				
8587'	9007'	Oak Canyon				
8644'	9022'	Total Depth				

R:\Implementation Program\2007\01 Development\SJ 28-5 Unit 102N-DIRECTIONAL-MPAD\SJ 28-5 Unit 102N drillprog.xls\PROG

Prepared: 7/11/2007

Prepared: Russell Perkins - Drilling Engineer

Reviewed: Monty Myers - Drilling Engineer

Approved: Jim Fodor - Drilling Superintendent

Offset Summary

**SJ 28-4 #28A (MV/DK, 2006, 1 mi SE):** Drilled 12-1/4" surface hole to 326' Set 9-5/8" shoe at 321' Pumped 55 bbls cmt, c/c. 22 bbl to surf, 200% excess Drilled 1/326" 4.610" w/ Hughes HC606Z, avg ROP=94.9 fph, max dev =1.0 deg Ran 7" 23# J-55 LT&C on btm and 20# J-55 ST&C on top, set shoe @ 4,601' DV tool @ 3,911' Pumped 43.4 bbls, 1st stg. circ 9 bbls to surf pumped 201 bbls 2nd stg, circ 38 bbls to surf, 100% excess Drilled 1/4 610"-8.751" w/ Marquis CV-462, avg ROP=120.7 fph. Trip for new bit at 8.751" Drilled 1/8 751"-8.810" w/ Hughes STX-20, avg ROP=16.4 fph Ran 4-1/2" 11 6# J-55 on btm 10.5# ST&C in middle and 11 6# J-55 LT&C on top, set shoe @ 8,809' Pumped 113 bbls cmt @ 45% excess, 910 ft ovenap

**SJ 28-5 #101M (MV/DK, 1998, 3/4 mi SW):** Rig drilled surface to 252' Set 9-5/8" shoe @ 245' Drilled 1/252"-4.565" w/ Hughes GT-09C, avg ROP=80.6 fph, max dev =1.25 deg Ran 7" 20# J-55 ST&C to 4,559' w/ DV tool @ 2,261' Pumped 122 bbls 1st stg, circ 25 bbls to surf pumped 59 bbls 2nd stg, circ 40 bbls light cmt to surf 50% excess? Drilled 1/4,565"-7.918" w/ Hughes STR09, avg ROP=91 fph Hole got wet at 6,571' but they were able to blow it dry Tripped for bit @ 7,918' Drilled 1/7,918"-8.227" w/ Hughes STR09 avg ROP=64.9 fph Ran 4-1/2" 11 6# J-55 on btm, 10.5# ST&C on top set shoe @ 8,805' Tried to blow 1st jt to btm of hole, hole pressured up and got wet Decided to cmt, but pressure went up to 3400 psi during pump job, decided to PU and reciprocate casing, pulled 100 000 lbs and parted casing Ten days of rig time to fix the casing

**SJ 28-5 #98M (MV/DK, 1998, 3/4 mi SE):** Rig drilled surface to 248' Set 9-5/8" shoe @ 243' Drilled 1/248"-4.610" w/ 8-3/4" Security FM2565 PDC bit, avg ROP=72.4 fph max dev =1.75 deg Lost circ at 3,854' in Ojo, lost 30 bbls, increased LCM from 0% to 8% and regained circ Ran 7" 20# J-55 ST&C to 4,605' w/ DV tool @ 2,320' Pumped 124 bbls 1st stg, circ 36 bbls to surf pumped 124 bbls 2nd stg, circ 21 bbls cmt to surf, 100% excess Drilled 1/4,610"-8.552" w/ Hughes STR09 avg ROP=72.8 fph Tripped for bit @ 8,552' Drilled 1/8,552"-8.847" w/ Hughes ATJ-55A, avg ROP=25.6 fph Dusted to TD. Ran 4-1/2" 11 6# J-55 on btm, 10.5# ST&C on top set shoe @ 8,846' Pumped 121 bbls cmt, no mention of TOC, 50% excess

Operational Notes

Directional Info

- Drill out surface cmt with directional equipment, drill to KOP of 500'
- A 6 1/2" E-Field MWD tool will be used
- Run 6 1/2", 7.8, 0.29 rev/gal single stage motor for directional work
- Build at 3 degrees/100' in the azimuth of 261.3 degrees to a depth of 1 1/16 2' TMD (1199.5 TVD) Hold at 21.49 degrees in azimuth of 281.3 degrees to a depth of 4951.7' TMD (4675.5' TVD) Drop angle at 5 degrees/100' to depth of 5667.9' (5375' TVD) where inclination will be 0 degrees
- At 7" casing point (55667.9' TMD, 5375' TVD), TOH with drilling assembly and TIH with insert bit, collar, 8-1/2" 3-pt reamer

Target Info

- Bottom hole location is 1150' FSL and 1565' FWL (Section 12)
- Target is 321' N and 1602' W from surface stake.
- BHL is **1633.6' in azimuth of 281.3°** from surface location
- Target size is a 100' radius around the desired BHL

Operational Info

- Run 2-6 jts of 6 1/4" spiral dc and 20 jts of 4 1/2" HeviWate pipe for intermediate hole (supplied by Weatherford).
- Run 10 DCs for air BHA; use 20 DCs if mud drilling necessary.
- Caliper everything that goes through the table
- Notify 1st Delivery to strip location at least five days in advance
- **Pump cement job no greater than 4 BPM.**
- Install drilling head rotating rubber once BHA is burned
- Reserve pits must be lined
- Well should take an estimated 14 days to drill
- **Have Bloolie line rigged up prior to drilling the Kirtland**
- **Estimated bottom of perms @ 8714' TVD**
- Call both regulatory agencies 24 hours in advance of BOP testing, spud, running csg, or cementing Leave message if after hours